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WATER SUPPLY OUTLOOK FOR UTAH



U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

FEB. 1, 1978

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western . United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 841 38
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



USDA-SCS-PORTLAND, OR 1977

WATER SUPPLY OUTLOOK FOR UTAH

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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In Cooperation with

UTAH STATE DEPT. OF NATURAL RESOURCES

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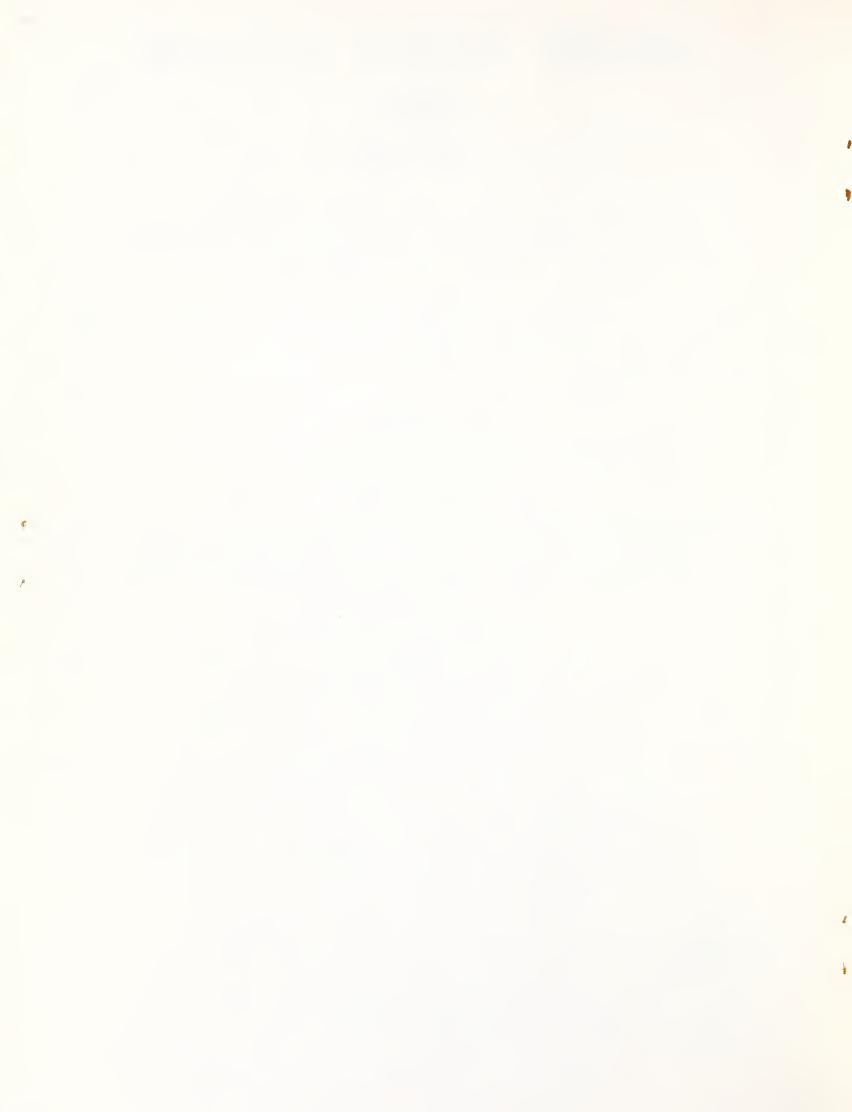
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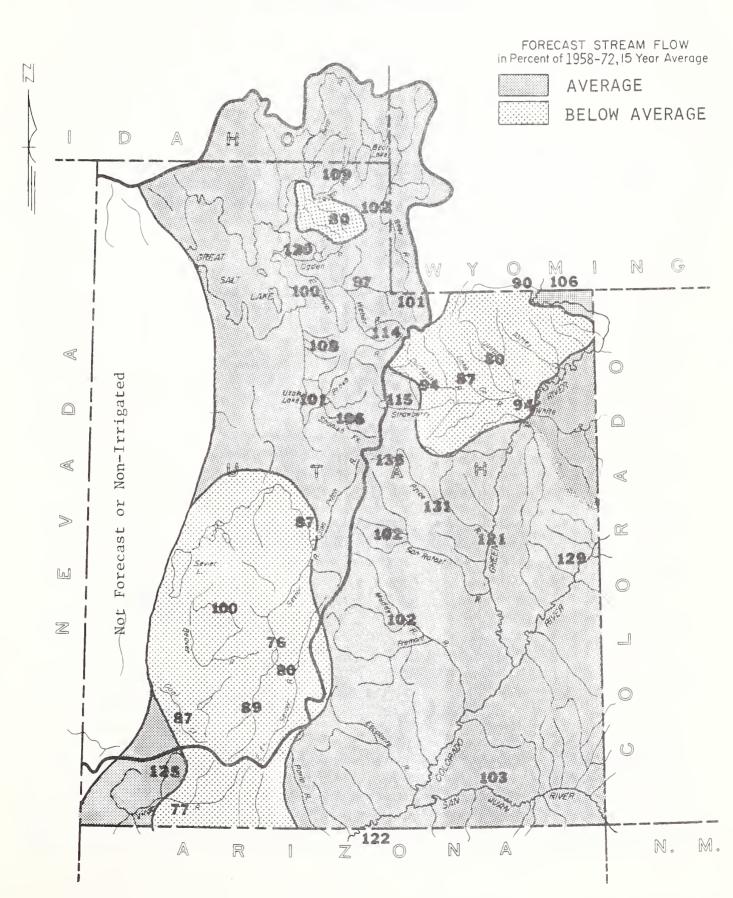


PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

FEBRUARY 1, 1978 Approximate Date





SNOW COVER

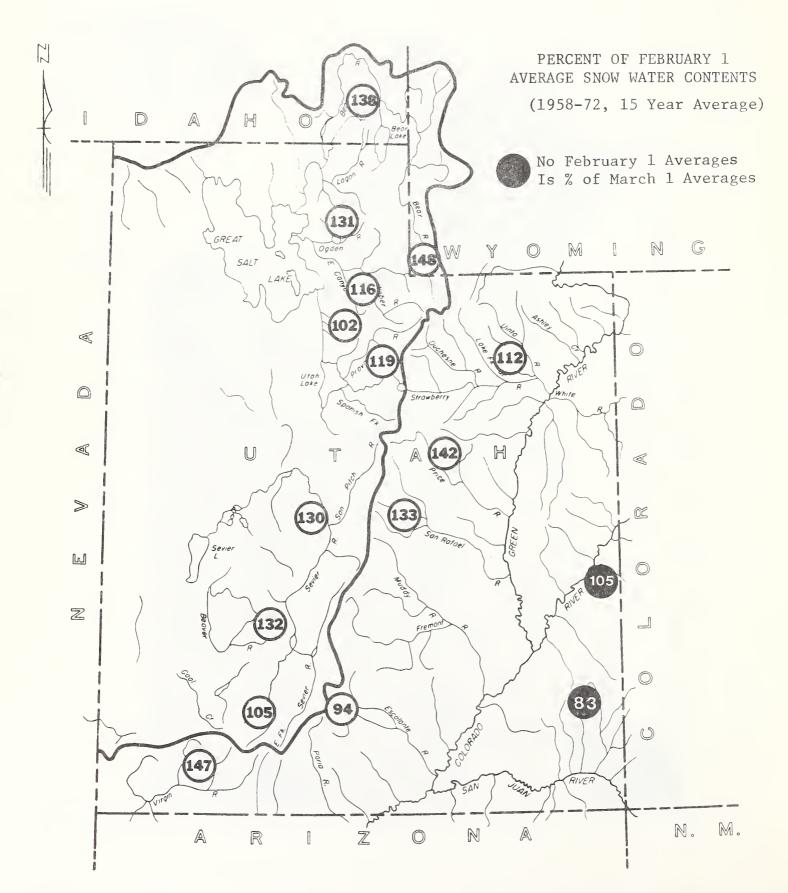
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

FEBRUARY 1, 1978

Approximate Date

50 0 50 100

SCALE IN MILES



as of FEBRUARY 1, 1978

SNOW COVER

Snow cover improved at a faster than normal rate in southern Utah bringing those basins up to near average or a little above average for February 1. The Upper Sevier is now 105% of average, Beaver River 132%, Virgin River is 147%, although weighted heavily by one low elevation measurement at Long Valley Junction, which should melt prior to April 1. The Lower Sevier is 130%, San Rafael 133%, Price River 142%, and Duchesne River 112% of average. Provo River snow cover is now 119% of average. Watersheds above Salt Lake are now 112%, Weber River 116%, Ogden 131%, and the Lower Bear River 138% of the February 1 average. The LaSal and Blue Mountains have no February 1 average, but their snow cover is near a March 1 average as of this time.

PRECIPITATION

Precipitation at mountain stations ranged from about two-thirds average to 130% of average in northern Utah, to as much as three times average at some locations in southern Utah during January.

SOIL MOISTURE

Soil moisture is generally below average statewide. Fall rains recharged the top 12-24 inches in some locations, but the remainder of the profile is reported as very dry. These dry soils are expected to reduce spring snow-melt runoff.

RESERVOIR STORAGE

Reservoir storage is generally below average. Storage in 24 of Utah's irrigation reservoirs is now 90% of the February 1 average, 22% less than a year ago, and only 53% of useable capacity. Many reservoirs in southern and eastern Utah are not expected to fill this year.

Sevier River reservoirs are only 69% of average and 68% of last year. Uintah Basin reservoirs (Moon Lake and Steinaker) are only 42% of average and 36% less than last year at this time. High lakes in the Uintahs look lower than any time in the last ten years. The Great Salt Lake was 4199.10 feet above mean sea level, 1.40 feet lower than a year ago and 7.75 feet above the all-time low of October 1963, according to U.S. Geological Survey.

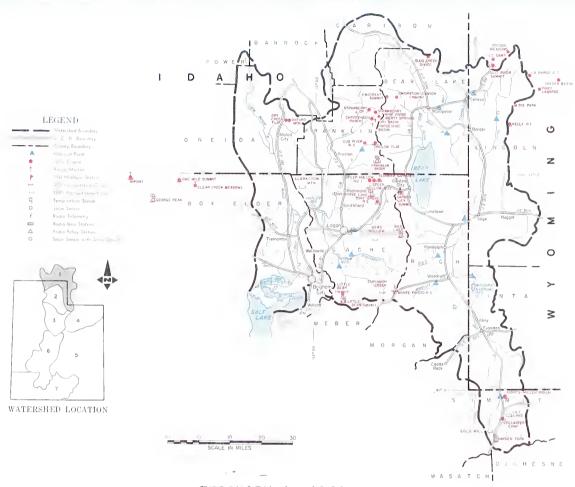
WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts range from 76% of average for the Sevier below Piute to 138% for the Inflow to Scofield Reservoir. Forecasts range from 10 to 20% below average on Sevier and Uintah Basin streams to generally average to 15 to 20% above average on all other streams. Bear River is forecast 101% of the April-July average at the Utah-Wyoming State Line and 105% at Harer, Idaho. Logan River is forecast 109% of average, the Inflow to Pineview Reservoir 120%, Weber near Oakley 114% and Weber near Coalville 110%. Provo River is forecast 104% at Hailstone and 102% below Deer Creek Dam. Strawberry Inflow is forecast 115% of average and Utah Lake Inflow 101% of the April-July average. Ashley Creek is forecast 81%, Lakefork Creek 87%, Rock Creek 94%, and Duchesne at Tabiona 94%. Huntington Creek, Cottonwood Creek, and Muddy Creek are forecast 102% of average and Ferron Creek 105%. San Juan near Bluff 103% and Mill Creek above Moab 112% of average.

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1978

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 138% of the February 1 average on the Lower Bear to 148% on the Upper Bear. Logan River watershed is 134% of average. This year's snow water is about six to seven times last year at this time.

PRECIPITATION at mountain stations ranged from 67% of the January average at Tony Grove Ranger Station to 130% it Salt River Summit.

SOIL MOISTURE is below average. Good fall moisture is reported to have penetrated only the top 18 to 24 inches of the soil profile.

RESERVOIR STORAGE is below average in Bear Lake and Woodruff Narrows and near average in Hyrum and Porcupine Reservoirs.

STREAMFLOW FORECASTS range from 80% of the April-July average on Blacksmith Fork to 131% on Big Creek. The Bear near Utah-Wyoming State Line is forecast 101% of average and at Harer, Idaho, 105% of average. Logan River is forecast 109% of the April-July average. Some runoff will be used to replenish soil moisture and ground water after last year's short year.

TREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS ICOMPARISON WIT	H PREVIOUS YEARS		
BASIN, STREAM and/or FORECAST POINT	FORE Thousand Acre Feet	Percent of Average	FORECAST PERIOD	LASI YEN 2	ACRE FEET Average +	RIVER BASIN and or SUB-HATERSHED	Number of Crayses Averaged	THIS YEAR A	S A PERCENT OF
BEAR RIVER						BEAR RIVER	25	624	140
Bear nr Ut-Wyo. State Line	113	101	Apr-July		112	UPPER BEAR RIVER	5	671	148
Bear nr Woodruff Woodruff Crk nr Woodruff, UT	136 17.4	103 113	Apr-July Apr-July		131 15.4	LOWER BEAR RIVER	20	613	138
Big Creek nr Randolph, Utah Bear nr Randolph	104	131 102	Apr-July Apr-July	3.4	4.2b 102	LOGAN RIVER	3	721	1 34
Thomas Fork nr Ut-Wy State Ln Smith's Fork nr Border, Wyo.	48 150	1	Apr-Sept Apr-Sept		32 116	'			
Bear at Harer, Idaho 1 Logan nr Logan 1	3.3 123	1	Apr-Sept Apr-July		297 113				
Blacksmith Fork nr Hyrum	38	80	Apr-July	16.7	48				
Little Bear nr Paradise Cub River nr Preston, ID	28 57		Apr-June Apr-Sept	6.3	34 50				
1 - Observed flow corrected f	or chan	ge in s	torage a	nd diver	sions				
2 - Provisional flows - Subje b - Average of all past recor		1							

RESERVOIR STORAGE (Thousand Acre Feet)

		T	1	SEABLE STORA	C.F.	PEAK FLUWS	PEAK FLOW (SECO	NO SCETI
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Last Year	Average†	FORECAST POINT	Forecast Range	Average +
BEAR RIVER	Bear Lake Woodruff Narrows Woodruff Creek	1421.0 26.5	1774.8 4.2 1.1	1030.6	944.9 20.5b	To begin March 1, 1978		
LITTLE BEAR	Hyrum Porcupine	15.3 11.3	10.1	10.8	9.9 2.9b			
+ - 1958-72 15 3 e - estimated	Year Average Period							

** 1956-1972 particle determine 197 - N - 2 2 0 2 7 X

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
Federal Blda. - Room 4012

Federal Bldg. - Room 4012 Salt Lake City, Utoh 84138

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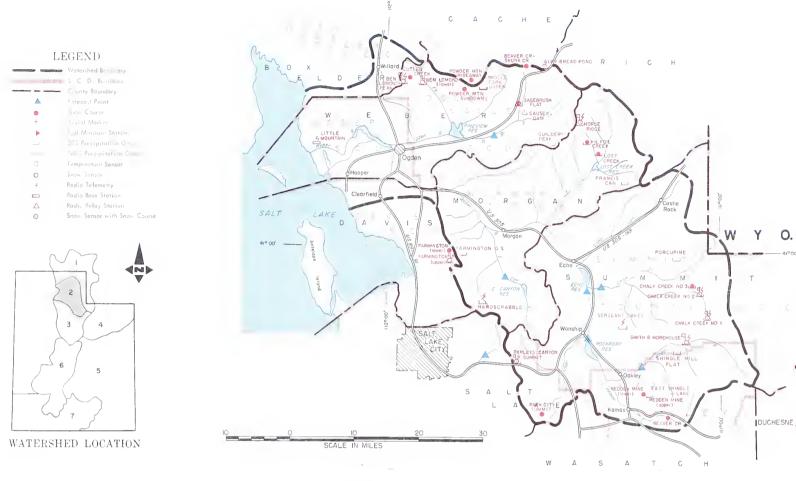


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WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1978
THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 116% of the February 1 average on the Weber River and 131% on the Ogden River.

PRECIPITATION at mountain stations during January ranged from 48% of average at Sagebrush Flat to 138% at Parleys Canyon Summit. The October-January period ranged from 97% at Ben Lomond Lower to 118% at Parleys Summit.

SOIL MOISTURE is below average except in the top few inches of the profile.

RESERVOIR STORAGE is now 92% of average on the Ogden River and 100% on the Weber. Lost Creek and Rockport Reservoirs are the shortest with 77% and 79% of the February 1 average respectively.

STREAMFLOW FORECASTS for the April-June period now range from 97% on Chalk Creek to 120% of average for Pineview Reservoir Inflow. South Fork Ogden is forecast 118%, Lost Creek 116%, Hardscrabble 114%, East Canyon 105%, Weber at Oakley 114%, Rockport Inflow 107%, and 110% at Coalville. These flows are expected to fill most reservoirs with the possible exception of East Canyon and Lost Creek.

WEBER-OGDEN WATERSHEDS in UTAH

FORECAST PERIOD Apr-June Apr-June Apr-June		Average †	OGDEN RIVER	Number of Courses Averaged	THIS YEAR AS.	A PERCEIAT OF
Apr-June Apr-June	31.6	100		Averaged		
Apr-June			OGDEN RIVER	6	659	131
Apr-June			OGDEN RIVER	6	659	131
Apr-June			I F	1		
*						
Apr- Iuno		114	WEBER RIVER	7	480	116
whr -a mile	4.2	32			1	
Apr-June	14.3	113			1	
Apr-June	2.5	13.7				
Apr-June	11.4	22				
Apr-June		14.46				
Apr-June	8.5	50		i i		
Apr-June	13.5	110				
Apr-July		7.8				
		ons				
	nation				1	
years						
1	Apr-June Apr-June Apr-June Apr-June Apr-June Apr-June Apr-June	Apr-June 2.5 Apr-June 11.4 Apr-June 8.5 Apr-June 13.5 Apr-Juny rage and diversi	Apr-June 2.5 13.7 Apr-June 11.4 22 Apr-June 8.5 50 Apr-June 13.5 110 Apr-July 7.8 rage and diversions of Reclamation	Apr-June 2.5 13.7 Apr-June 11.4 22 Apr-June 8.5 50 Apr-June 13.5 110 Apr-July 7.8 rage and diversions of Reclamation	Apr-June 2.5 13.7 Apr-June 11.4 22 Apr-June 8.5 50 Apr-June 13.5 110 Apr-July 7.8 rage and diversions of Reclamation	Apr-June 2.5 13.7 Apr-June 11.4 22 Apr-June 8.5 50 Apr-June 13.5 110 Apr-July 7.8 rage and diversions of Reclamation

RESERVOIR STORAGE (Thousand Acre Feet)

KESEKTUIK STUKAGE (TII	DUSANG MUTE TEEL)					PEAK FLOWS		
		Usable	U	ISEABLE STORA	GE		PEAK FLOW (SECO	ND FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Lasi Year	Averaget	FORECAST POINT	Forecast Range	Avarage †
OGDEN	Causey	6.9	2.6	1.4	2.35	To begin March 1, 1978		
	Pineview	110.1	36.4	53.6	40.1			
WEBER	East Canyon	48.1	19.9	30.4	18.5			
	Echo	73.9	41.6	41.5	39.1	'		
	Lost Creek	20.0	9.6	12.7	12.4b			
	Rockport	60.9	22.7	26.8	28.6			
	Willard Bay	193.3	114.5	139.7	110.3b			
+ - 1958-72 15	Year Average Per	iod				1		

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+ 1958-1972 perio

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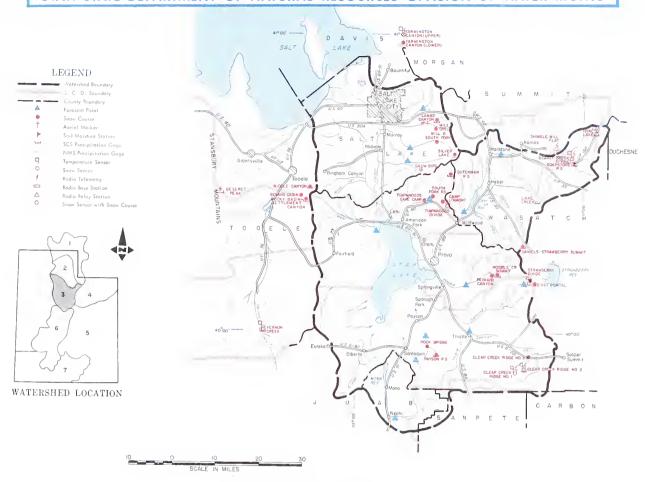


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UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1978
THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 119% of average on the Utah Lake drainages, and 112% along the front above Salt Lake City. Middle Canyon above Tooele is 81% of the February 1 average.

PRECIPITATION at mountain stations ranged from 64% of the January average at Soapstone to 198% at Payson Ranger Station.

SOIL MOISTURE is below average except in the top few inches which is near average.

RESERVOIR STORAGE is a little above average in Utah Lake and Strawberry, but only 75% of average in Deer Creek. Storage in all three reservoirs is about 20% less than last year at this time. Utah Lake is not expected to reach compromise this season and Deer Creek and Strawberry are not expected to fill unless above average runoff begins early in the season.

STREAMFLOW FORECASTS range from 91% of the April-July average on American Fork to 143% on Vernon Creek. The Provo at Hailstone is forecast 104%, at Deer Creek Dam 102%, Spanish Fork 106%, Payson Creek 111%, Hobble Creek 94%, and Utah Lake Inflow 101%. Strawberry Reservoir Inflow is forecast 115% of the April-July average or almost ten times last year's inflow. Big Cottonwood is forecast 108%, Little Cottonwood 111%, and Parleys Creek 114% of their April-July averages.

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS		THIS YEA	R		RECORD	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WI	TH PREVIOUS YEARS		
	FORE		FORECAST	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR A	S A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acra Feer	Percent of Average	PERIOD	Last Year2	Average †		Averaged	Last Year	Average
PROVO RIVER & UTAH LAKE									
Provo nr Hailstone 1	106	104	Apr-July	31.5	102	PROVO RIVER & UTAH LAKE	10	472	119
Provo below Deer Creek Dam ¹	113	102	Apr-July	50.1	111				
American Fork nr American For	k 28	97	Apr-July	7.5a	29	JORDAN RIVER & SALT LAKE	3	552	112
Hobble Creek nr Springville,	15	94	Apr-July		16				
Strawberry Reservoir Inflow	53	115	Apr-July	5.7	45	TOOELE VALLEY	1	191	81
Spanish Fork at Thistle	34	106	Apr-July		32				
Payson Creek nr Payson Utah Lake Inflow	7.0 211		Apr-July Apr-July	124.7	208				
JORDAN RIVER & SALT LAKE									
Little Cottonwood Crk nr SLC	39	111	Apr-July	19.8	35				
Big Cottonwood nr SLC	39	108	Apr-July	18.8	36				
Parley's Creek nr SLC	13.1		Apr-July		11.5				
TOOELE VALLEY Vernon Creek nr Vernon	1.0	143	Mar-July	0.6	0.7				
1 - Observed flow corrected f. 2 - Provisional flows - Subje a - Partly estimated				nd diver	sions				

RESERVOIR STORAGE (Tho	usand Acre Feet)					PEAK FLOWS		
		Usable	U!	EABLE STORA	GE		PEAK FLOW (SEC	COND FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	AverageT	FORECAST POINT	Forecast Range	Average †
SPANISH FORK	Strawberry	270.0	141.2	204.9	113.6	To begin March 1, 1978		
UTAH LAKE	Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	609.0 0.3 0.3	731.3 0.5 0.4	563.0			
PROVO	Deer Creek	149.7	70.7	87.0	94.7			

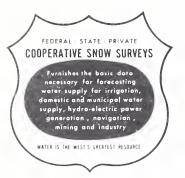
+ - 1958-1972 15 years average period. b - Average of all past record - less than 15 years.

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UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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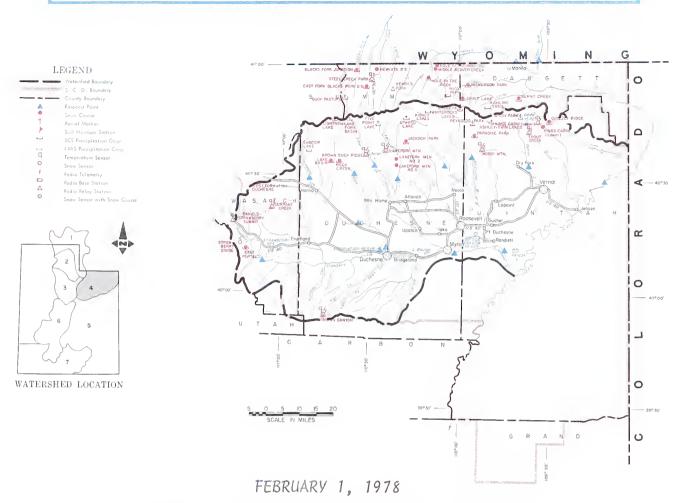


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UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 83% of the February 1 average on the Uintah-Whiterocks drainages to 135% on Strawberry River. Lakefork-Yellowstone drainages are 96% of the February 1 average. Ashley Creek courses do not have an average for February 1, but their snow water content is about three times last year.

PRECIPITATION at mountain stations ranged from 78% of average at Burnt Creek above Manila to 162% at Daniels-Strawberry Summit for the month of January.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is 63% of the February 1, average for Moon Lake and only 27% of average for Steinaker. Moon Lake has 4,000 acre feet more in storage than last year at this time. but Steinaker is 12.000 acre feet less.

STREAMFLOW FORECASTS for the April-July period range from 78% of average on Whiterocks to 106% for Flaming Gorge Inflow. Ashley Creek is expected to be 81% of average, Black's Fork 90%, and Henry's Fork 89%. The Duchesne is forecast 94% of average at Tabiona, 98% at Duchesne, 99% at Myton, and 94% at Randlett. Rock Creek is forecast 94%, Lakefork 87%, Yellowstone 88%, the Uintah 80%, and Strawberry 96% of average.

. UlnTAH BASIN and DAGGETT $\ensuremath{\mathsf{SCD}}\xspace^*s$ in UTAH

TREAMFLOW FORECASTS		THIS YEA	R		RECORD	SUMMARY OF SHOW MEASUREMENTS TUMPARISON WITH	-		
BASIN, STREAM and/or FORECAST POINT	Thousand	Percent of	FORECAST	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses		AS A PERCEINT OF
BASIN, STREAM OF TORECAST FOINT	Acre Feet	Percent of Average	PERIOD	Last Year 2	Average †		Averaged	Liviten	A secure
DUCHESNE RIVER						Ducumous prime			
Duchesne nr Tabiona ¹	98	94	Apr-July	19,2	104	DUCHESNE RIVER - TOTAL	8	603	112
Duchesne at Duchesne ¹	173		Apr-July		185	TAVERORY VELTOUGROVE OPPERS		000	1
Strawberry at Duchesne	54	96	Apr-July	10.1	56	LAKEFORKYELLOWSTONE CREEKS	2	892	96
Rock Creek nr Mtn. Home	88	94	Apr-July	34.5	95	STRAWBERRY RIVER	3	50/	105
Lakefork below Moon Lake ¹	60	87	Apr-July	30.2	69	SIRAWDERRI RIVER	3	594	135
Yellowstone nr Altonah	57	88	Apr-July	29.1	65	UINTAH-WHITEROCKS RIVERS	2	554	83
Duchesne at Myton ¹	215	99	Apr-July	8.3	218	CINIAH-WHILEKOCKS KIVEKS)) 4	0.3
Whiterocks nr Whiterock	45	78	Apr-July	24.2	58	ASHLEY CREEK	2	329	
Uintah nr Neola	70	80	Apr-July	70.5	88	MONEDI CKEEK	_	349	
Duchesne at Randlett ¹	250	94	Apr-July	13.1	267	BLACK'S FORK	4	394	1
LAMING GORGE TO DUCHESNE RIVER								324	
Henry's Fork at Linwood	4.0	89	Apr-Sept	3.6	45				1
Black's Fork at Millburne	85		Apr-July		94				
Flaming Gorge Inflow	1241		Apr-July		1174				1
Ashley Creek nr Vernal	40	1	Apr-July		50				
		1							
1 - Observed flow corrected f	r chan	e in s	torage ar	d diver	sions.				1
2 - Provisional flows - Subje-	et to co	rrecti	on						
									1
CEDMOID CYODAGE (Thousand Asso South)		'	,						

RESERVOIR STORAGE (Thousand Acre Feet)

usand Acre Feet)					PEAK FLOWS		
	lisable	U	SEABLE STORA	G€		PEAK FLOW (SECO	ND FEET)
KEZEKVOIK	Capacity	This Year	Last Year	Average +	FORECAST POINT	Forecast Range	Average +
Steinaker	33.3	6.1	18.3	22.9b	To Begin March 1, 1978		
Flaming Gorge	3749.0	1987.5	3017.0	1641.0			
Moon Lake	35.8	10.2	6.1	16.3			
Starvation	165.3	140.2	45.5				
Bottle Hollow	11.3	10.1	10.6				
	Steinaker Flaming Gorge Moon Lake Starvation	RESERVOIR Capacity Steinaker 33.3 Flaming Gorge 3749.0 Moon Lake 35.8 Starvation 165.3	RESERVOIR Usable Copacity This Year	USEANCIR USEANCE USEANCE USEANCE STORA	Usable Usable Copacity This Year Last Year A-reage†	No. No.	No. No.

^{+ - 1958-1972 15} year average period

· 1958-1972 period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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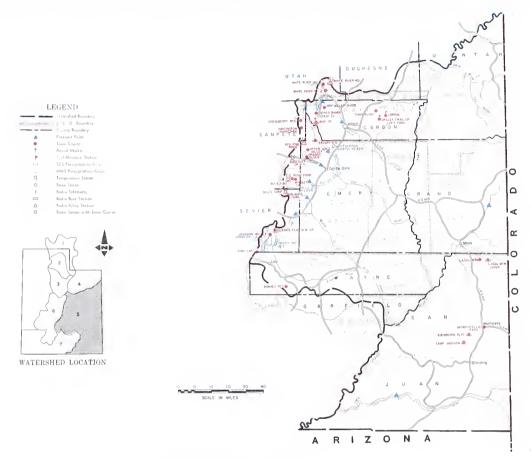


POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1978

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER on Price River is 142% of the February 1 average and about nine times last year at this time. The San Rafael is 133% of average and about five times last year on February 1.

PRECIPITATION at mountain stations was almost twice the January average and has ranged from 130 to 158% of average for the October-January period.

SOIL MOISTURE is near average in the top 12 to 24 inches, but below average for the rest of the profile.

RESERVOIR STORAGE is only 60% of average in Scofield, but near average in Joe's Valley and Huntington North reservoirs.

STREAMFLOW FORECASTS for the April-July period range from 97% for the Inflow to Navajo to 138% for the Inflow to Scofield Reservoir. Price River is forecast 131% of average, Huntington Creek 102%, Cottonwood Creek 102%, Ferron Creek 105%, and Muddy Creek 102% of the April-July average. The Colorado is forecast 129% at Cisco, Green River 121%, San Juan near Bluff 103%, and Mill Creek near Moab 112%. All forecasts this year are for four to five times the flow received last year.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	en a man		
	FORE		FORECAST	THOUSAND	ACRE FEET	RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR	AS A PERCENT OF
BASIN STREAM and/or FORECAST POINT	Thousand Acre Feer	Percent of Average	PERIOD	Last Yeur 2	Average +	HIVEN DAINY AND SOCIAL PROPERTY.	Averaged	Litted	1
PRICE RIVER									
Gooseberry Creek nr Scofield	13.6	136	Apr-July	2.2	10.0	PRICE RIVER	4	900	142
Scofield Reservoir Inflow	47	138	Apr-July	4.2	34				
Price nr Heiner [⊥]	84	131	Apr-July		64b	SAN RAFAEL RIVER	5	504	133
SAN RAFAEL RIVER									
Huntington Crk nr Huntington	46	102	Apr-July	11.3	45				
Cottonwood Crk nr Orangeville	47	102	Apr-July	10.4	46b				
Ferron Creek nr Ferron	37	105	Apr-July	15.9	35				
MUDDY RIVER									
Muddy Creek nr Emery	18.1	102	Apr-July	3.5	17.0				
UPPER COLORADO BASIN			:						
Colorado nr Cisco, Utah	3660	129	Apr-July	534.6	2835				
Green at Green River, Utah	3441	121	Apr-July	882.7	2839				
Mill Creek nr Moab	5.5	112	Apr-July	1.4	4.9				
Navajo Reservoir Inflow	580	97	Apr-July		597				
San Juan nr Bluff, Utah	882	103	Apr-July	122.8	853				
ERCMONE RIVER									
FREMONT RIVER									
Seven Mile Crk nr Fish Lake	7.0	109	Apr-July		6.4b	1 - Observed flow corrected for			nd diversions
			1			2 - Provisional flows - Subject	to corre	tion	

RESERVOIR STORAGE (Thousand Acre Feet)

		Usable	US	EABLE STORA	G E		PEAK FLOWISECO	OND FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Average†	FORECAST POINT	Forecast Range	Average
PRICE RIVER	Scofield	65.8	17.3	28.4	28.8	To Begin March 1, 1978		
SAN RAFAEL	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	2.1 33.5 0.3	2.4 30.2 1.5	2.0b 30.8 			
SAN JUAN	Navajo	1696.0	955.5	1145.3				

+ - 1958-1972 15-year average period

b - Average of all past record - less than 15 years

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UNITED STATES DEPARTMENT OF AGRICULTURE

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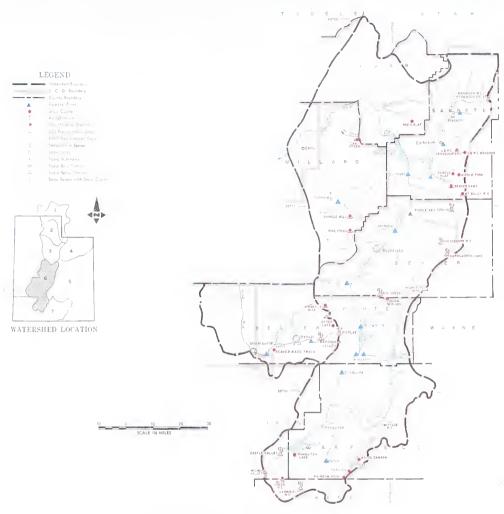


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE AGR-101



SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1978

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 93% of average on the East Fork to 132% on Beaver River. The South Fork Sevier is now 106% of the February 1 average and the Lower Sevier 130% of average after much heavier than usual January increases.

PRECIPITATION at mountain stations ranged from 128% of the January average at Farnsworth Lake to 389% at Shingle Mill. The October-January totals now range from 95% of average at Duck Creek to 156% at Mammoth-Cottonwood Creek.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is well below average. Otter Creek is 68% of average, Piute is 49% of average, Sevier Bridge 85%, and Gunnison is only 10% of average. These reservoirs are not expected to fill this season.

STREAMFLOW FORECASTS range from 74% of the April-July average for the Sevier near Kingston to 115% for Ephraim and Pleasant Creeks on the San Pitch River. Sevier River is forecast 85% of average at Hatch, 89% at Circleville, 80% on the East Fork near Kingston, 76% below Piute Dam, and 87% at Gunnison. The Inflow to Sevier Bridge Reservoir during the October-March period is expected to be only about 50,000 acre feet, but primary water is expected to be near average or a little above on the upper river and a little below average below Vermillion Dam. Beaver River is forecast 104% near Beaver and about 100% for inflow to Minersville Reservoir. Chalk Creek near Fillmore is forecast about average and Clear Creek 93% of the April-July average.

SEVIER RIVER BASIN inculding BEAVER RIVER in UTAH

STREAMFLOW FORECASTS		THIS YE	AR .	PAST R	ECORD
	FORE	CAST	FORECAST	THOUSAND AC	REFEET
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feel	Percent of Average	PERIOD	Last Year 2	Average #
SEVIER RIVER					
Sevier at Hatch	34	85	Apr-July	10.6	40
Sevier nr Circleville	25	89	Apr-July		28
Sevier nr Kingston	15.5	74	Apr-July	1.9	21
Antimony Crk nr Antimony	6.2	8.5	Apr-July		7.3
East Fork Sevier nr Kingston	11.5	80	Apr-July		14.4
Sevier below Piute Dam	25	76	Apr-July		33
Clear Crk nr Sevier (abv Div)	14.0	93	Apr-July	4.1	15.0
Inflow					
Kingston to Vermillion Dam	36	72	Apr-June		50
Vermillion Dam to Gunnison	37	95	Mar-June		39
Salina Creek at Salina	7.3	90	Apr-June	0.1	8.1
Sevier nr Gunnison	34	87	Apr-July	15.4	39
Chalk Creek nr Fillmore	15.5	100	Apr-July		15.5
SAN PITCH RIVER					
Ephraim Creek nr Ephraim	16.0	115	Apr-July		13.9
Pleasant Crk nr Mt. Pleasant	9.0	115	Apr-July		7.8
BEAVER RIVER					
Beaver nr Beaver	20.7	104	Apr-July	6.1	20
North Creek (combined)	11.7	100	Apr-July		11.7
Minersville Reservoir Inflow	5.8	100	Apr-June		5.8

RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS A PERCENT OF				
HALF BOOK AND A SOCIAL FUNCTION	Averaged	Last Year	Amage			
UPPER SEVIER RIVER	5	289	105			
East Fork Sevier	3	483	93			
South Fork Sevier	4	293	106			
LOWER SEVIER	6	338	130			
BEAVER RIVER	2	338	1 32			
1 - Observed flow corrected fo 2 - Provisional flows - Subjec			nd diversio			

RESERVOIR STORAGE (Thousand Acre Feet)

		Usable	US	EABLE STORA	G E
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Lasi Year	Average†
SEVIER RIVER	Gunnison Otter Creek	18.2	1.0	1.4 27.0e	9.8 25.4
	Piute	71.8	18.1	23.5	37.2
BEAVER RIVER	Sevier Bridge Minersville (Rky	236.0	4.4	7.3	83.2
	Fd) all past record — 1 s year average per		15 years		

PEAK FLOWS

	PEAK FLOW (SECO	ND FEET)
FORECAST POINT	Forecast Range	Average +
To Begin March 1, 1978		
DOLLARDY WATER DIGHT FORFOLDS		

FORECAST DATE of LOW FLOW VALUES

FDRECAST POINT	Low Flow Value Second: Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier-above Div.	5	July 22	July 28
Salina Creek at Salina	25	June 6	June 10
Sevier at Circleville	90	June 7	June 24
Sevier at Hatch (upper)	100	June 19	July 10

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During IS year Period	Forecast Period
SEVIER RIVER Panguitch Valley	95	82	April-Sept
Circle Valley	73	65	April-Sept
Sevier Valley Below Vermillion Dam	38	38 55	April-Sept April-Sept
Delow vermille			

Inflow to Sevier Bridge Reservoir for the October-March period is expected to be about $50,000~\rm acre~feet.$

The flow below Vermillion - Above 360 cfs is expected to be $1500 \ \mathrm{acre} \ \mathrm{feet}$.

SOLISCS POPTLAND ORECONISTS M7-N-22027 X

1958-1972 perrod

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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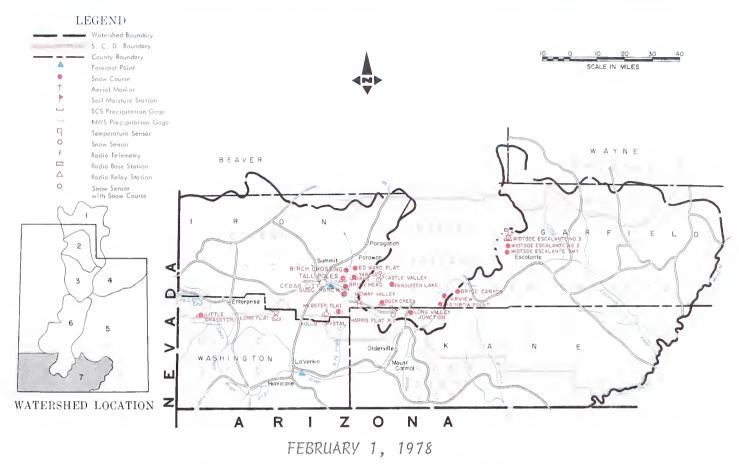


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE



EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER varies from 67% of average on Parowan Creek to 147% on the Virgin River. Coal Creek is 103% of the February 1 average. Virgin River snow cover is based on two snow courses; one is Long Valley Junction, a low elevation course which has more than twice its average February 1 snow water content.

PRECIPITATION at mountain locations ranged from 97% of the January average at Tall Poles to 240% at Webster Flat. The October-January totals now range from 69% at Tall Poles to 102% at Webster Flat.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is reported below average in most small reservoirs. Lake Powell contains 14,789,000 acre feet or about 3,229,000 less than last year at this time.

STREAMFLOW FORECASTS range from 77% of the April-June average for the Virgin River near Virgin to 125% of average for Santa Clara near Pine Valley. Coal Creek is forecast 87% of the April-July average and Lake Powell Inflow is expected to be 122% of average.

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS	-	THIS YEA		PAST THOUSAND	RECORD	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WE	Number of						
BASIN STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	FORECAST PERIOD	Lost Year 2		RIVER BASIN and or SUB-WATERSHED	Courses Averaged	CAST YEAR A	A PERCENT OF				
VIRGIN RIVER						COAL CREEK	2	284	103				
Virgin nr Virgin Santa Clara nr Pine Valley	37		Apr-June Apr-June		48b 3,6b	VIRGIN RIVER	2	400	147				
COAL CREEK	, 4.5	123	inpr odire	0,0	3,00	PAROWAN CREEK	1	246	67				
Coal Creek nr Cedar City	14.0	87	Apr-July	3.6	16.1								
UPPER COLORADO													
Lake Powell Inflow	8362	122	Apr-July	1130	6881								
2 - Provisional Flows - Subjec e - Estimated	to con	rectio	n										

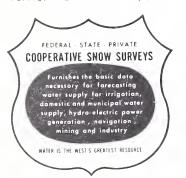
RESERVOIR STORAGE (The	usand Acre Feet)					PEAK FLOWS			
		Usable	U	SEABLE STORAGE			PEAK FLOW (SECOND FEET)		
BASIN OR STREAM	RESERVOIR Usable Capacity This Year	Last Year	Average †	FORECAST POINT	Forecast Range	Average †			
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	14789.0 279.3	18018.0 416.1	8401b 	To begin March 1, 1978			
	l past record – l year average peri		15 years						

where see positions decreases and $M7-N=22027\, X$

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1						DENT WEST	TION		DOBO:	TO 0
Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Con Last Year	Average †	Oate of	Month's Precipitation	Average +	FROM A	Average †	Percent of Average
1/30 1/24 1/31 1/24 1/30	63 22 45 42 59	20.4 4.5 14.6 12.4 19.0	3.8 0.6 3.4 2.2 3.2	13.3 8.6 11.9	1/24	1.85		5.64		
1/2/ 2/2 1/30 2/2 1/24	111 56 66 31	33.1 18.0 20.2 8.0	3.2	17.0b 21.2b 11.0 10.3	1/2/ 1/30	3.45 4.90 1.88	3.77	19.86 16.77 8.89	16.91a 10.81	117 155
1/31 1/31 1/31 1/31 1/31 1/31 1/31 1/31	34 27 34 22 80 29 75 36	8.9 7.2 9.4 5.9 28.9 9.0 23.8 11.0	2.2 2.4 0.7 4.3 1.3 3.4 2.5	5.9 5.8 20.9a 5.3 17.0b 7.8a	1/31		-	12.20		
1/31 1/30	64 46	23.4 15.0	3.8 2.1	11.9	1/30	3.30	3.86Ь	18.00a	12.68b	142
1/27	60	18.6	2.5	17.3a 13.3	1/27	4.17e	4.91b	20.91a	13.78ь	152
1/27 1/27 1/31 1/31 2/1 1/31 1/31 1/31 1/31 1/31	35 38 42 34 56 94 74 39 66 103 40 52 52 58	8.7 9.3 14.4 10.7 17.0 34.4 25.8 10.1 21.0 37.4 11.8 18.0 14.8	1.6 2.2 2.2 1.7 2.9 5.1 3.2 2.2 3.1 4.5 1.7 2.5 2.3	9.8a 6.9a 11.5a 25.4b 18.8b 7.2 14.4 8.8 12.0a 10.5	1/30	2.92			13.09a 14.86b	132 160
1/27 1/27 1/27 1/27 1/27 1/27	36 98 54 86 50 17	10.0 31.0 14.8 24.0 15.4 3.7	1.6 4.2 2.5 3.3 2.8 0.6	8.0 24.0b 10.0 18.7b 11.3 3.7	1/27 1/27 1/27 1/27 1/27	7.31 7.49 1.89 3.85 2.17	4.80a 3.05a 6.43b	8.77	16.81 16.61a 9.07a 13.30b 9.33	131 97 111
•										
1/25 1/24 1/24 1/24 1/27 1/27 1/27 1/27 1/27 1/27 1/30 1/30	24 57 39 23 72 63 76 53 40 24 54 50	5.6 16.1 9.2 4.9 23.8 16.5 21.4 16.6 9.3 4.6 17.7 14.4	0.6 3.6 2.6 1.0 3.8 4.4 2.6 1.2 0.0 4.6 2.8	5.7 9.0 5.1 13.2b 17.5b 11.7	1/24 1/27 1/27 1/27 1/27 1/27	2.00 6.50 6.39 2.75 1.80 5.34		22.09 18.62 8.12	17.31	 116 118
	1/30 1/24 1/31 1/24 1/30 1/27 2/2 1/30 2/2 1/24 1/31 1/31 1/31 1/31 1/31 1/31 1/31 1	1/30 63 1/24 22 1/31 45 1/24 42 1/30 59 1/27 62 2/2 111 1/30 56 2/2 66 1/24 31 1/31 34 1/31 27 1/31 34 1/31 22 1/31 80 1/31 29 1/31 36 1/31 66 1/27 60 1/31 103 1/27 35 1/27 38 1/31 42 1/31 34 2/1 56 1/31 94 1/31 74 1/31 39 1/31 66 1/31 103 1/27 35 1/27 38 1/31 34 2/1 56 1/31 94 1/31 74 1/31 39 1/31 66 1/31 103 1/30 40 1/31 52 1/31 52 1/31 58 1/27 36 1/27 98 1/27 54 1/27 86 1/27 98 1/27 57 1/27 76 1/27 77 1/24 39 1/27 54 1/27 63 1/27 76 1/27 76 1/27 76 1/27 76 1/27 77 1/24 39 1/24 23 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 76 1/27 36 1/27 76 1/27 36 1/27 76	1/30 63 20.4 1/24 22 4.5 1/31 45 14.6 1/24 42 12.4 1/30 59 19.0 1/27 62 19.3 2/2 111 33.1 1/30 56 18.0 2/2 66 20.2 1/24 31 8.0 1/31 27 7.2 1/31 34 9.4 1/31 29 9.0 1/31 29 9.0 1/31 36 11.0 1/31 64 23.4 1/31 36 11.0 1/31 66 25.8 1/27 60 18.6 1/31 103 38.5 1/27 35 8.7 1/27 35 8.7 1/27 38 9.3 1/31 42 14.4 1/31 34 10.7 2/1 56 17.0 1/31 94 34.4 1/31 39 10.1 1/31 66 21.0 1/31 103 37.4 1/31 39 10.1 1/31 66 21.0 1/31 52 14.8 1/31 53 16.5 1/27 76 21.4	1/30	1/30	1/30	1/30	1/30	1/30	1/30

SNOW		THIS YEAR		PAST R	ECORO	PRECIPI		(Inches)			
ORAINAGE BASIN and/or SNOW COURSE NAME	Oate of Survey	Snow Oepth (Inches)	Water Content (Inches)	Water Conte	Average +	Oate of Reading	Month's Precipitation	ATION Average +	This Year	PROX. OCT	Percent of Average
				Last 10st		Keading	Precipitation	<u> </u>	l		Average
WEBER RIVER (cont'd) Redden Mine (lower) Redden Mine (upper) Sergeant Lake (A) Smith & Morehouse	1/25 1/27 1/24	42 54 31	12.0 15.1 9.1	2.6	 8.6b	1/25	 3.26	3.26	15.55	 11.62	 110
PROVO RIVER & UTAH LAKE	1/24	31	9.1	1.7	0.00	1/24	3.20	3.20	12.70	11.02	110
Beaver Creek Divide Camp Altamont Clear Creek Ridge #1 Clear Creek Ridge #2 Clear Creek Ridge #3 Dutchman R.S. Hobble Creek Summit Packard Canyon Payson R.S. Rock Bridge Soapstone R.S. South Fork R.S. Timpanogos Cave Camp Timpanogos Divide Trial Lake	1/25 1/24 1/27 1/27 1/27 1/24 1/24 1/24 1/27 1/25 1/30 1/30 1/24 1/24	38 39 54 41 29 54 48 33 50 39 35 27 8 58 64	9.9 10.9 14.6 10.2 7.1 13.9 11.3 7.3 12.1 7.8 9.6 7.6 1.8 15.1 21.1	1.4 2.1 3.3 1.4 2.7 2.7 2.7 2.3 4.5 3.9 1.5 1.4 0.6 3.6 2.9	10.0 8.4 4.9 10.5 7.3 8.2 4.2 1.7 16.3 15.5	1/27 1/24 1/24 1/27 1/25 2/1 1/24	3.65 7.45 4.90 5.50 2.01	 2.78 3.13 4.73 4.85	13.10 18.50 11.30 13.10 11.98	9.74 10.99 10.19 16.72 14.92	134 119 118
JORDAN RIVER & GREAT SALT LAKE											
Lamb's Canyon #2 Middle Canyon Mill Creek Mill D South Fork Mt. Dell Dam	1/30 1/28 2/2 1/31	42 29 42 43	12.4 6.5 12.7 13.2	2.6 3.4 3.1 2.6	8.0 12.5	1/30 1/28	3.74 4.90 2.33	2.62b	13.52	 9.90ъ 8.72	100
Silver Lake (Brighton) Snow Bird (Gad Valley) Vernon Creek	1/31 1/28 1/28	54 89 32	16.6 27.3 8.8	2.6	15.4	2/1 1/28	5.91 7.75	5.29	18.43	17.73	106
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek Bryce Canyon Castle Valley Duck Creek R.S. Farview Harris Flat Kimberly Mine	1/30 1/31 1/26 1/26 1/30 1/26 1/30	30 17 26 37 21 28 41	7.3 2.4 7.4 10.8 5.8 7.3 9.6	2.9 1.0 2.1 2.8 1.4 1.6 4.2	2.8 7.9 5.3 9.8b	1/30 1/26 1/26 1/30	3.65 3.75 6.10	 2.68	9.43 7.10 10.50	 11.05	 95
Midway Valley Panguitch Lake Rainbow Point Squaw Springs Widtsoe 3NNE	1/24 1/26 1/30 1/30	44 13 27 23	10.4 4.5 7.2 5.6	4.4 1.3 1.8 1.4	12.9	1/24 1/26 2/1	6.50 3.00e		10.75 5.00a		
LOWER SEVIER RIVER (Including San Pitch River)							•				
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Majors G.B.R.C. Meadows G.B.R.C. Oaks Gooseberry R.S. Mammoth-Cottowwood Creek	1/25 1/30 1/27 1/27 1/30 1/27	40 46 45 58 35 57	9.5 11.8 10.9 16.1 9.0 16.6	3.5 4.6 4.1 4.7 3.5 2.3	10.5 8.9 12.3 6.4 12.6b	1/25 1/30 1/27 2/1 1/27 2/1 1/30 1/27	4.45 3.35 5.00 3.30 5.90 3.80 3.40 5.60	2.61 2.40 1.30 3.20 1.60 1.85b 3.50b	10.62 11.20 14.05 7.57 16.85 9.15 9.85 18.13	 10.83 10.40 5.90 13.10 7.00 6.94b 11.59b	103 135 128 129 131 142 156
Middle Fork Mt. Baldy R.S.	1/25	Not Mea	1	4.5		1/25	5.30		13.30		
Oak Creek Pickle Keg Springs Pine Creek Ree's Flat	1/25 1/30	Data De 47 53 Not Mea	11.8 16.0 sured	 5.4		1/30	11.30		19.05		
Shingle Mill Thistle Flat	2/1	31 Not Mea	7.7 sured	2.1	4.7ъ	2/1	7.12	1.83b	10.40	8.14b	128
BEAVER RIVER											
Beaver Race Track	1/31	5	1.5e	0.0							
MSOJ-SCE-PORTLAND OREGON 1874 M7-0-22027Y		L		l				780		+	1958-1972 period.

NOW		THIS YEAR		PAST P	ECDRD	PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNDW CDURSE	Date of Survey	Snow Depth (Inches)	Water Content (inches)	Water Conti	Averege T	Deta of Reading	Month's Precipitetion	ATIDN Average +	FROM A	Average +	TD DATE Percent of Average
BEAVER RIVER (Cont'd))									
Big Flat Merchant's Valley Upper Otter Lake	1/30 1/30 1/30	50 38 44	12.8 9.4 10.5	4.0 3.5 2.9	9.8 7.8	1/30 1/30	8.35 6.20		13.13 12.15	9.47	139 ~ -
PAROWAN CREEK											
Birch Crossing Brian Head Ed Ward Flat Tall Poles Yankee Reservoir	1/25 1/25 1/26 1/25 1/26	32 45 31 45 31	4.8 9.1 6.9 7.8 6.5	1.4 3.7 1.4 4.0 2.3	13.5a 	1/25 1/26	5.60 5.00	5.76a	8.45 7.50	12.22a	69
ENTERPRISE TO NEW HARMONY DRAINAGES		:									
Little Grassy Creek Long Flat	1/26 1/26	23 24	6.1 5.2	1.8		1/26 1/26	6.95 3.45	 	9.05 6.80		
COAL CREEK											
Cedar City Golf Course SUSC Ranch	2/1 1/24	0 32	0.0	0.0							
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH	The state of the s										
Ashley-Twin Lakes (A) Black's Fork G.SEast Fork Black's Fork Junction Buck Pasture (A) Burnt Creek Dutch John Junction Grizzly Ridge Henry's Fork (A) Hewinta G.S. Hickerson Park Highline Trail King's Cabin (Lower) King's Cabin (upper) Reynolds Park (A) Spirit Lake Steel Creek Park Trout Creek Windy Park (A)	1/27 1/24 1/24 1/27 1/30 1/30 1/30 1/27 1/24 1/24 1/24 1/27 1/24 1/27 1/24 1/27	24 29 29 58 14 12 22 37 29 20 Not Mea 17 22 27 24 45 25 12	4.3 7.2 6.6 15.1 3.2 3.3 6.5 8.1 6.5 3.4 sured 3.7 4.2 8.1 4.1 11.6 4.5 2.2	1.7 1.5 1.0 1.5 1.9 0.9 1.5 2.9 3.4		1/2 4 1/24 1/30 1/30 1/24 1/24 1/24 1/24	1.20 1.95	1.53b 2.35b 	8.93 8.49a 3.95 5.45 9.65 4.10 5.35 6.25 4.72		61 58
DUCHESNE RIVER	1/27	18	3.8								
Atwood Lake (A) Brown Duck Ridge Chepeta-Whiterocks (A) Currant Creek Daniels-Strawberry Summit East Portal Five Points Lake (A) Indian Canyon Jackson Park Lakefork Basin (A) Lakefork Mountain	1/27 1/25 1/27 1/24 1/24 1/30 1/27 1/25 1/25 1/27 1/25	16 49 25 34 45 39 36 37 36 48 30	13.8 7.5 8.1 10.9 10.5 7.9 8.9 7.4 10.6 6.7	2.2 	9.6 6.8 7.9	1/25 1/24 1/24 1/30 1/25 1/25	3.33 5.00 4.56 2.02	3.08 3.56b 2.36b	9.63 15.43 14.49 9.43 8.20 9.03	 11.21 12.48b 9.07b 8.09b	 138 116 104
Lakefork Mountain #2 Lakefork Mountain #3 Lightning Lake (A) Mosby Mountain Paradise Park Rock Creek Ranch Strawberry Divide	1/25 1/27 1/25 1/25 1/25 1/30	Not Mea 21 60 25 25 20 51	1	0.5 1.2 1.0 0.9 2.6	4.3 6.5 8.4 11.4	1/25 1/25 1/25	 	2.03a 2.42b	7.13 7.15 7.90	7.18a 10.72b	99 67
PRICE RIVER											
Dry Valley Divide Gooseberry Reservoir Jones Ranch Mud Creek White River #1	1/25 1/27 1/25 1/25 1/24	36 54 22 47 40	9.5 16.4 5.0 11.4 10.0	1.4 1.7 0.5 1.1	6.5 10.9 4.1 8.4	1/27 1/25 1/24	6.05 4.30 3.35	3.07 2.30	17.49 12.25 11.15	11.06 8.86 	158 138

			Water Conti		CO.	RENT INFORMA	111011		PPROX. OCT I	
Dete of Survey	Snow Depth (Inches)	Weter Content (Inches)	Lest Yeer	Average +	Date of Reading	Henth's Precipitation	Average †	This Year	Average +	Percent o Average
1/24 1/24	33 30	7.6 9.2	1.5 1.3							
1/25 1/27 1/25 1/25 1/25 1/27 1/25 1/25 1/25	46 67 21 44 44 41 31 36 35	12.9 21.2 5.0 12.0 11.0 12.2 7.7 9.0 9.0	2.9 3.5 0.0 2.5 2.0 1.0 0.5 1.6 1.7	9.6b 10.2b 8.3b 6.0b 6.5	1/25 1/25 1/25 1/27 1/25	4.80 3.00 5.30 5.90 3.95	 	14.55 5.55 16.13 10.25	10.32	141 130
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1/25 1/25	42 42	11.4	2.4 1.6		1/25	4.55		12.83		
1/30 1/30 1/30	34 23 25	9.4 6.4 6.8	2.1 1.3 1.0		1/30 1/30	3.95 3.40	1.29	10.37	5.76	 141
1/30 1/30 1/31 1/31 1/30	25 36 32 45 14	6.8 9.4 8.0 11.6 4.7	1.6 1.9 0.8 2.4 0.0		1/30 1/30 1/31	3.99 7.40 5.70		7.31 10.82 11.82		
1/27 1/27 1/27	20 20 26	5.1 4.5 5.6	0.6 0.6 1.4	4.0 5.4 6.6b	1/27	3.95	1.28	7.34	7.84	94
1/26 1/26 1/26	44 28 44	10.9 6.9 12.3	3.4 1,2 3.6	3.0 10.1	1/26	7.80	3.25	12.00	11.75	102
cord - les ge period	than 1	5 years								
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		RIVER ST	ge ocks Lak rry Sumn		Laderlork Basin Laderlork Mountain Laderlork Mountain #2 Laderlork Mountain #3 Lightning Lake Mosby Mountain Paradise Park Paradise Park Shadow Lake	Duchesr Duchesr de	Grassy Trail Creek-Left Fork Mous Ranch Moud Creek Timberline White River #1 White River #3	SAN RAFAEL RIVER Buck Flat Gooseberry Reservoir Huntington-Horseshoe Change Olsen	<u>}</u>	~ ~	FREMONT RIVER Black's Flat-U.M. Greek Donkey Reservoir Fish Lake Johnson Valley	RN UTA	ESCALANTE RIVER Widtsoe-Escalonte Summit Widtsoe-Escalonte #2 Widtsoe-Escalonte #3 VIRGIN RIVER	ion	ows	Numbering Durse Only.	urse and Sourse and Sourse and A burse, Soil I burse, Soil I burse, Colly. Precipitation urse, Precipitations Sta Site.
		Vindy Park DIICHESNE RIVER	Lake buck Ridg -Whiter Creek	nt Lake anyon Park Lake sin	basin Mounts Mounts Mounts g Lake Aountain Park Eek	Strawberry Divid West Fork of the PRICE RIVER Corral Dry Valley Divid	Frail Cre Inch sek ne iver #1 iver #2 ver #3	AFAEL try Reservent	Orange Cisen Red Pine Ridge Nush Pond Seeley Creek Stuart R.S. Upper Joe's Valley	Wrigley Greek MUDDY RIVER 8lack's Fork Dill's Camp	FREMONT RIVER Black's Flat-U.M. Cra Donkey Reservoir Fish Lake Johnson Valley	SOUTHEASTERN U. Buckboard Flot Camp Jackson LaSal Mountain LaSal Mountain (upper) Monticello Park	ESCALANTE RIVER Widtsoe-Escalante #2 Widtsoe-Escalante #3 Widtsoe-Escalante #3	Kolob-Crystal Long Valley Junction Webster Flat	RAFT RIVER Clear Creek Meadows George Peak One Mile Summit ViPont	Snow Co	Snow CC Snow CC Snow CC Storage Snow CC Snow CC
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2	NAME	Aiddle O	Mill D South Fork Mill D South Fork Rocky Basin-Settlement Canyon Silver Lake (Brighton) Snow Bird (Cad Valley) Vernon Creek	UPPER SEVIER RIVER (South Box Greek Myrec Camyon Gastle Valley Duck Greek R.S.	Farview Harris Flat High-Top Mountain Kimberly Mine Midway Valley Panguitch Luke Rainbow Point Squw Springs Widtsoe R.S.	COWER Seaver D Sarnsworl 3.8.R.C	Goosebern R.S. Mammohl R.SCottonwoo Middle Fork Mt. Baldy R.S. Pickle Kee Springs Pin Cree Springs	Shingle Mill Thistle Flat BEAVER RIVER	Beaver Kace Track Big Flat Merchant's Valley (upper) Otter Lake PAROWAN CREEK	Birch Crossing Brian Head Ed Ward Flat Tall Poles Yankee Reservoir	ENTERPRISE TO Little Grassy Greek Long Flat	COAL CREEK Gedar City Golf Course 5USC Ranch			RIVER DRAINAGE UPPER GREEN RIVER IN Ashley Twin Lakes Black's Fork G.SEast Fork Black's Fork G.SLeast Fork Black's Fork Junction	Bount Crack Bount Crack Crack Ridge Heny's Fark Hewinto G.S. Hickerson Park Highline Trail Highline Trail King's Cabin (lower) King's Cabin (lower) King's Cabin (lower)	eynolds pirit Latiteel Cre
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PER																	
INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS	ELEV.	2														6,000 7,560 7,560 9,100 6,400 6,720 6,730 7,800 7,800 8,140 9,800	6,450 9,250
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Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association Board of Canal Presidents - Jordan River Emery Canal and Reservoir Company Moon Lake Water Users Association Ogden River Water Users Association Provo River Water Users Association Strawberry Water Users Association Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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